

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER No. 01-114

RESCISSION OF SITE CLEANUP REQUIREMENTS ORDER NO. 96-085 FOR:

HEWLETT-PACKARD COMPANY

for the property located at

10900 NORTH WOLFE ROAD
CUPERTINO, SANTA CLARA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter the Board), finds that:

1. **Board Order:** The Board adopted site cleanup requirements, Order No. 96-085, for this site on June 19, 1996, superseding and rescinding Order 89-112. The Order No. 96-085 required Hewlett-Packard Company to perform groundwater monitoring at this site.

2. **Summary of Investigation and Remediation Activities:**

In 1983, soils and groundwater beneath the site were investigated to determine if there had been leaks from underground storage tanks installed in 1973. Site investigations indicated that volatile organic compounds (VOCs) including trichloroethene (TCE), tetrachloroethene, and Freon 113 had impacted unsaturated soils and groundwater. The vertical extent of contamination was determined as the perched A-Zone (40 to 70 feet below ground surface) and the intermittently perched B-Zone (90 to 125 feet below ground surface). No impact on the Regional Zone (130 to 200 feet below ground surface) was observed. The lateral extent of contamination was limited to an area within 200 feet northeast of the location of the tanks.

A soil vapor extraction system was installed and operated from 1987 through 1988 to remove VOCs from the vadose zone. Under Board Order No. 89-112, operation of this system was curtailed when the process was shown to be ineffective. Order No. 89-112 required groundwater monitoring for five years to demonstrate that the VOCs were not migrating vertically or downgradient of the known source area.

Board Order No. 89-112 was superseded and rescinded by Order No. 96-085 that required continued monitoring of the A-Zone, the B-Zone, and the Regional Zone for an additional five years.

3. **Basis for Rescission:**

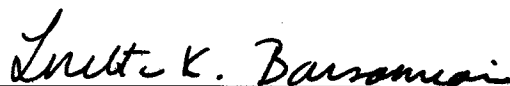
- The site has been fully characterized, with the lateral and vertical extent of the contamination defined since 1986.
- Concentrations of VOCs in the A-Zone have steadily declined and may have reached asymptotic levels. TCE concentrations in Well 2 averaged 4200 ug/L in 1984, in 1985 they averaged 2000 ug/L, and by 1995 the concentration was 2 ug/L. TCE concentrations in well 10A were non-detect in 1985, 18 ug/L in 1995 and 19 ug/L in 2000. TCE concentrations in well 19A were 135 ug/L in 1986, 360 ug/L in 1987, 15 ug/L in 1996 and 20 ug/L in 2000.
- In 2000 in samples collected from the A-Zone the highest concentrations of TCE were 19 and 20 ug/L with an average of 10 ug/L over the four wells that could be measured. This is twice the drinking water maximum contaminant level (MCL) for TCE. No other detectable contaminants were at levels greater than their MCLs.
- In the A-Zone the plume is stable, limited to a small area within the site, with very low potential for further lateral or vertical migration. A pumping test on the highest yielding well delivered slightly above 200 gallons per day when measured over a 24-hour period. There are eight wells installed in this zone, four have been consistently dry and the other three have minimal yield. This zone does not have an adequate yield to be considered a sustainable source of drinking water.
- For the B-Zone, fate and transport simulation modeling, conducted in 1995, predicted that the highest levels of contaminant concentration would occur in 1998 but would still be below MCLs.
- Monitoring of the B-Zone wells over a 13-year period through to 2000, showed sporadic detections of VOCs but were all below the MCLs for drinking water.
- In the Regional Zone monitoring wells, contaminants have never been detected.
- The property is developed with buildings, roads and parking areas, and landscaping with no anticipated change of use. There is no significant risk of unauthorized access to any water bearing zone.
- The site has been monitored for 15 years and the low levels of residual contaminants found only in a shallow perched aquifer do not represent a threat to public health. It is therefore appropriate to rescind Order 96-085 in view of the reasons listed above.

4. **No Further Action Required:** Based upon the available information, including the current land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the pollutant release at the subject site is required.
5. **CEQA:** This action rescinds an order to enforce the laws and regulations administered by the Board. As such, this action is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) pursuant to Section 15321 of the Resources Agency Guidelines.
6. **Notification:** The Board has notified the discharger and all interested agencies and persons of its intent under California Water Code Section 13304 to rescind site cleanup requirements for the discharge, and has provided them with an opportunity to submit their written comments.
7. **Public Hearing:** The Board, at a public meeting, heard and considered all comments pertaining to this discharge.

IT IS HEREBY ORDERED, pursuant to Section 13304 of the California Water Code, that Order No. 96-085 is rescinded.

IT IS FURTHER ORDERED that, within 180 days, the discharger shall properly close all existing monitoring wells at the site following methods and procedures consistent with the Santa Clara Valley Water District's guidelines, and shall document such closure in a technical report to be submitted to the Board within 30 days following the completion of closure activities.

I, Loretta K. Barsamian, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on October 17, 2001.


Loretta K. Barsamian
Executive Officer

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FAILURE TO COMPLY WITH THE REQUIREMENTS OF THIS ORDER MAY SUBJECT YOU TO ENFORCEMENT ACTION, INCLUDING BUT NOT LIMITED TO: IMPOSITION OF ADMINISTRATIVE CIVIL LIABILITY UNDER WATER CODE SECTIONS 13268 OR 13350, OR REFERRAL TO THE ATTORNEY GENERAL FOR INJUNCTIVE RELIEF OR CIVIL OR CRIMINAL LIABILITY

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